

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

VEERASAMY

Atty. Ref.: 3691-602

Serial No. To be Assigned

Group:

Filed: October 2, 2003

Examiner:

For: HYDROPHILIC DLC ON SUBSTRATE WITH UV  
EXPOSURE

\* \* \* \* \*

October 2, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

- |  |   |                 |
|--|---|-----------------|
| <input checked="" type="checkbox"/> 1. | <b>PTO-1449 Pursuant to 37 CFR 1.97(b)</b><br>[within 3 months of filing or prior to 1st Office Action] | <i>N/C</i>      |
| <input type="checkbox"/> 2.            | <b>Statement Pursuant to 37 CFR 1.97(c)</b><br>[before Final Office Action and Allowance]               | <i>N/C</i>      |
| <input type="checkbox"/> 3.            | <b>Fee Payment Pursuant to 37 CFR 1.97(c)</b><br>[before Final Office Action and Allowance]             | <i>\$180.00</i> |
| <input type="checkbox"/> 4.            | <b>Pursuant to 37 CFR 1.97(d)</b><br>[before Issue Fee payment]   | <i>\$180.00</i> |

The following are submitted in the above-identified application in compliance with 37 C.F.R. §§ 1.97 and 1.98:

- ☒ 5. A list of documents on Form PTO-1449. Actual copies of the references listed on the attached form PTO-1449 are not included herewith in accordance with MPEP §609, these references being previously submitted in any and all of the parent applications. The parent application includes U.S. application Serial No. 09/987,692.

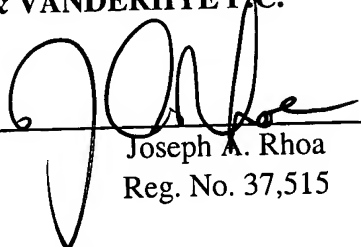
This paper is submitted in accordance with:

- ☒ 6. 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☐ 7. 37 CFR 1.97(c): [before Final Office Action and Allowance, whichever is earlier]; and
- ☐ a) The required Statement made in item 9 below; or
- ☐ b) The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 10 below.
- ☐ 8. 37 CFR §1.97(d): [before issue fee payment]; and
- ☐ a) The fee (\$180.00) required by 37 CFR §1.17(p) is authorized in item 10 below; and
- ☐ b) The required Statement is stated in item 9 below.
- ☐ 9. Statement under 37 CFR 1.97(e)
- ☐ a) The undersigned attorney of record hereby certifies under 37 C.F.R. §1.97(e) that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement (each item contained in this IDS was the first citation of that item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to the filing of this IDS); or
- ☐ b) No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement, after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
- ☒ 10. Please charge all applicable fees associated with the submission of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 14-1140. An original and one (1) copy of this document are enclosed.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By:

  
 Joseph A. Rhoa  
 Reg. No. 37,515

VEERASAMY

Serial No. To be Assigned

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**INFORMATION DISCLOSURE  
CITATION**

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APPLICANT

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(Use several sheets if necessary)

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,303,226	10/2001	Veerasamy			
	6,280,834	8/2001	Veerasamy et al.			
	6,277,480	8/2001	Veerasamy et al.			
	5,770,321	6/1998	Hartig et al.			
	6,303,225	10/2001	Veerasamy			
	6,273,488	8/2001	Pike et al.			
	5,854,708	12/1998	Komatsu et al.			
	5,846,649	12/1998	Knapp et al.			
	5,508,368	4/1996	Knapp et al.			
	5,425,983	6/1995	Propst et al.			
	6,284,377	9/2001	Veerasamy			
	5,378,527	1/1995	Nakanishi et al.			
	5,508,092	4/1996	Kimock et al.			
	5,665,424	9/1997	Sherman			
	5,653,812	8/1997	Petrmichl et al.			
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	5,637,353	6/1997	Kimock et al.			
	5,858,477	1/1999	Veerasamy et al.			
	4,816,291	3/1989	Desphandey et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
WO 94/12680	6/1994	WIPO				
0 499 287 A1	8/1992	EP				

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	JPCL, May 1992, "The Degradation of Coatings by Ultraviolet Light and Electromagnetic Radiation", HARE
	XP 002041954 "Electronic Density of States in Highly Tetrahedral Amorphous Carbon", VEERASAMY et al., pgs. 319-325
	XP 002041955 "Preparation and Properties of Highly Tetrahedral Hydrogenated Amorphous Carbon", WEILER et al., January 1996, pgs. 1594-1607
	"Optical and Electronic Properties of Amorphous Diamond", VEERASAMY et al., April 1993, pgs. 782-787
	"Deposition of Carbon Films by a Filtered Cathodic Arc", KUHN et al., August 1993, pgs. 1350-1354
	"Gaseous Precursors of Diamond-Like Carbon Films, RICCARDI et al., Vacuum 61, pgs. 211-215
	"Highly Tetrahedral, Diamond-Like Amorphous Hydrogenated Carbon Prepared from a Plasma Beam Source", WEILER et al., May 1994, pgs. 2797-2799

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

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	4,210,431	7/1980	Bachman et al.			
	5,900,342	5/1999	Visser et al.			
	6,046,758	4/2000	Brown et al.			
	5,800,918	9/1998	Chartier et al.			
	5,718,976	2/1998	Dorfman et al.			
	5,470,661	11/1995	Bailey et al.			
	4,728,529	3/1988	Etzkorn et al.			
	4,504,519	3/1995	Zelez			
	RE 32,272	10/1986	Funaki et al.			
	5,849,368	12/1998	Hostettler et al.			

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DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

"Surface Hardening of Ceramic and Glass Materials", IBM Corp., 1993, Vol. 36, No. 03, March 1993

"Properties of Ion Beam Deposited Tetrahedral Fluorinated Amorphous Carbon Films (ta-C), Ronning et al. Mat. Res. Soc. Symp. Proc. Vol. 593, pp. 335-340 (2000)"

"Fluorinated Diamond Like Carbon Films Produced by Plasma Immersion Ion Processing Technique, Hakovirta et al., Mat. Res. Soc. Symp. Proc. Vol. 593, pp. 285-290 (2000)"

"Ventree Super Hydrophilic Material", 10 pgs

A Dissertation, "Tetrahedral Amorphous Carbon Deposition, Characterisation and Electronic Properties", VEERASAMY, July 1994, pgs. 1-295

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